

Amendments to the Claims

1. (Original) A thermogenic gene SfUCPa derived from skunk cabbage, of which cDNA comprises the base sequence of SEQ ID NO: 1.

2. (Original) A thermogenic gene SfUCPb derived from skunk cabbage, of which cDNA comprises the base sequence of SEQ ID NO: 3.

3-4. (Cancelled)

5. (Currently amended) A DNA fragment comprising at least the translation region of the base sequence of SEQ ID NO: 1 ~~or a partial sequence thereof~~.

6. (Currently amended) A DNA fragment comprising at least the translation region of the base sequence of SEQ ID NO: 3 ~~or a partial sequence thereof~~.